

**TB COHORT REVIEW DATA ANALYSIS FOR YEAR
2007**

2007 Cohort Review, Indices for Contact Investigation	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year-to-Date
Total Number of TB disease cases	26	29	27	36	118
TB disease cases on DOT	015/023 65.2%	24/28 85.7%	17/25 68.0%	23/334 67.6%	079/111 71.2%
Number of TB disease cases the died before completion of therapy	3	1	2	2	8
Number of Pulmonary TB disease cases	22	21	24	30	97
Number of Smear positive TB disease cases	9	13	8	15	45
Percent of Smear positive TB disease cases with >0 contacts identified	008/009 88.9%	013/013 100.0%	008/008 100.0%	012/015 80.0%	041/045 91.1%
Smear positive contacts identified	1382	558	365	464	2769
Smear positive contacts appropriate for evaluation	778	551	351	413	2093
Smear positive contacts evaluated	387	478	345	378	1588
Percent of smear positive contacts evaluated	387/778 49.7%	478/551 86.8%	345/351 98.3%	378/413 91.5%	1588/2093 64.0%
Smear positive contacts started on LTBI treatment	33	32	27	12	104
Smear positive contacts completed LBTI treatment	1	0	1	0	2
Smear positive contacts still taking meds for LTBI	21	27	18	10	76
Smear positive contacts expected to complete LTBI treatment	022/023 95.7%	027/032 84.4%	019/027 70.4%	010/012 83.3%	078/104 75.0%
# MDR cases	0	0	0	1	1
Rif resistant / intolerant and still on therapy	0	0	0	1	1
TB disease preventable case rate	016/026 61.5%	12/29 41.4%	006/027 22.2%	010/036 27.8%	044/118 37.3%

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2007**

2007 Cohort Review, Selected Treatment Variables	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year-to-Date
Number of TB disease cases	26	29	27	36	118
Number of TB disease cases reported at death	1	1	2	2	6
TB disease cases that died during treatment	2	0	0	0	2
TB disease cases MDR and still on treatment	0	0	0	1	1
TB disease cases rifampin resistant / intolerant and still on therapy	0	0	0	1	1
Percent of TB disease cases that completed an ATS/CDC regimen in <12 months (for whom therapy for one year or less is indicated)	001/023 4.3%	005/028 17.9%	003/025 12.0%	003/034 8.8%	009/110 8.2%
Percent of TB cases likely to complete, plus those that have completed the above regimen	018/023 78.3%	020/028 71.4%	022/025 88.0%	031/034 91.2%	091/110 82.7%
Cohort failure(s)	000/023 0.0%	001/028 3.6%	000/025 0.0%	000/034 0.0%	001/110 0.9%
Percent of Pulmonary TB cases sputum smear (+) that have sputum specimens collected weekly (no less than 8 hrs apart) until 3 consecutive smears are negative	007/009 77.8%	013/013 100.0%	006/008 75.0%	008/015 53.3%	034/045 75.6%
Percent of Pulmonary TB cases sputum smear (+) or sputum culture (+) that have documented sputum culture conversion by two months, collected on consecutive days each month until 3 cultures are (-).	008/009 88.9%	011/013 84.6%	005/008 62.5%	009/015 60.0%	034/045 75.6%
Percent of TB cases on DOT	015/023 65.2%	023/028 82.1%	017/025 68.0%	023/034 67.6%	078/110 70.9%

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2007**

2007 Cohort Review, Selected Program Variables	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year-to-Date
Total Number of TB disease cases	26	29	27	36	118
TB disease cases interviewed within 3 business days	019/026 73.1%	023/028 82.1%	018/027 66.7%	025/036 69.4%	085/118 72.0%
Percent of RVCTs submitted within 21 days	019/026 73.1%	017/028 60.7%	019/027 70.4%	023/036 63.9%	078/118 66.1%
Class A, B1/B2 Immigrants/Refugees evaluated for TB within 30 days of arrival in MO	010/018 55.6%	015/024 62.5%	012/023 52.2%	016/027 59.3%	053/092 57.6%
Percent of TB disease cases started on an ATS/CDC regimen within 1 month of diagnosis	021/023 91.3%	020/028 71.4%	020/025 80.0%	029/034 85.3%	090/110 81.8%
Percent of TB specimens submitted for NAA testing that were reported <= 48 hrs of receipt at SPHL (Mt. Vernon) = laboratory confirmation	010/013 76.9%	010/014 71.4%	006/006 100.0%	013/015 86.7%	039/048 81.3%

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2007 Cohort Review, Select Epi Variables	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year-to-Date
Total Number of TB disease cases	26	29	27	36	118
Number of Pulmonary TB disease cases	22	21	24	30	97
Number of smear positive TB disease cases	9	13	8	15	45
Number of Extrapulmonary TB disease cases	4	8	3	6	21
Age range all cases	001-080	001-085	025-084	005-083	001-085
Average age all cases	49	40	52	43	46
	11/26	16/29	17/27	19/36	064/118
Percent Male	42.3%	55.2%	63.0%	52.8%	54.2%
	15/26	12/29	18/27	17/36	062/118
Percent Female	57.7%	41.4%	66.7%	47.2%	52.5%
	004/005	004/006	008/010	012/012	028/033
Known HIV status of TB disease cases in 25-44 age group	80.0%	66.7%	80.0%	100.0%	84.8%
	015/026	019/029	019/027	022/036	075/118
Known HIV status of all TB disease cases	57.7%	65.5%	70.4%	61.1%	63.6%
	002/026	001/029	001/027	004/036	008/118
Percent of TB disease cases not offered HIV testing	7.7%	3.4%	3.7%	11.1%	6.8%
	001/026	001/029	001/027	000/036	003/118
Percent of TB disease cases co-infected with HIV	3.8%	3.4%	3.7%	0.0%	2.5%
	016/026	012/029	006/027	010/036	044/118
Percent of preventable TB disease cases	61.5%	41.4%	22.2%	27.8%	37.3%

**TB COHORT REVIEW DATA ANALYSIS FOR YEAR
2007**

2007 Cohort Review, Indices as they related to TB Elimination Grant Objectives	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year-to-Date	Grant Objectives
Percent of TB cases that complete an ATS/CDC regimen in <12 months (for whom therapy for one year or less is indicated)	001/023 4.3%	005/028 17.9%	003/025 12.0%	003/034 8.8%	009/110 8.2%	95%
Percent of TB cases likely to complete, plus those that have completed the above regimen	018/023 78.3%	020/028 71.4%	022/025 88.0%	031/034 91.2%	091/110 82.7%	↑
Smear positive cases with >0 contacts identified	008/009 88.9%	013/013 100.0%	008/008 100.0%	012/015 80.0%	029/030 91.1%	100%
Smear positive contacts evaluated	387/778 49.7%	478/551 86.8%	345/351 98.3%	378/413 91.5%	1588/2093 64.0%	95%
Smear positive contacts completed LTBI treatment	001/033 3.0%	000/032 0.0%	001/021 4.8%	000/012 0.0%	002/104 1.9%	85%
Smear positive contacts expected to complete, plus those that have completed LTBI treatment	022/023 95.7%	027/032 84.4%	019/027 70.4%	010/012 83.3%	078/104 75.0%	↑
Class A, B1/B2 Immigrants/Refugees evaluated for TB within 30 days of arrival in MO	010/018 55.6%	015/024 62.5%	012/023 47.8%	016/027 59.3%	053/092 55.3%	90%
TB case rate in US Born African Americans	0.9	1.4	0.9	1.7	4.9	<5 per 100,000
Known HIV status for age group 25-44	004/005 80.0%	004/006 66.7%	008/010 80.0%	012/012 100.0%	028/033 84.8%	90%
RVCT Completeness	100.0%	100.0%	100.0%	100.0%	100.0%	95%
Percent of all laboratory confirmed TB cases that occurred within 48 hours of specimen receipt <Healthy People 2010 Goal>	010/013 76.9%	010/014 71.4%	006/006 100.0%	013/015 86.7%	039/048 81.3%	75%